

Census Has Business Data?

An Update on the
2017 Economic Census Data
for the Mining, Construction,
and Manufacturing Sectors
(NAICS 21, 23, and 31-33)

Economic Census webinar
September 3rd, 2020

Presented by: Lynda Lee and Andrew W. Hait
U.S. Census Bureau



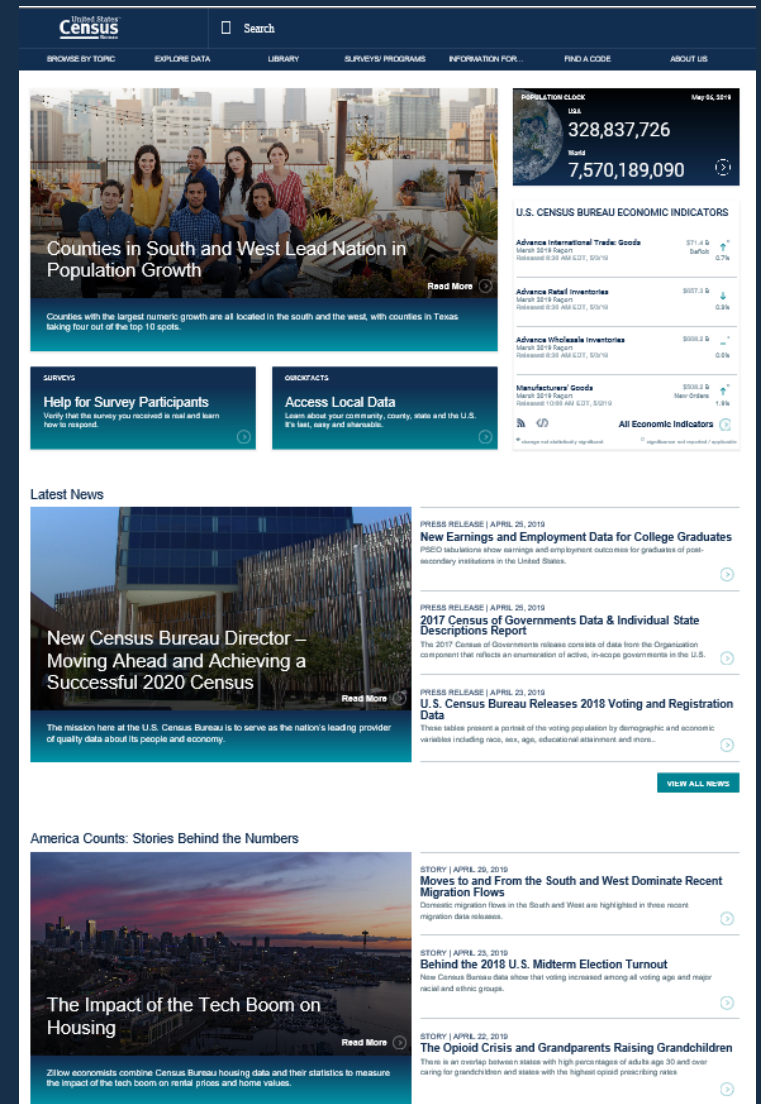
2017 Economic Census Webinar Series

Planned Schedule for State- and Sector-Based Webinars

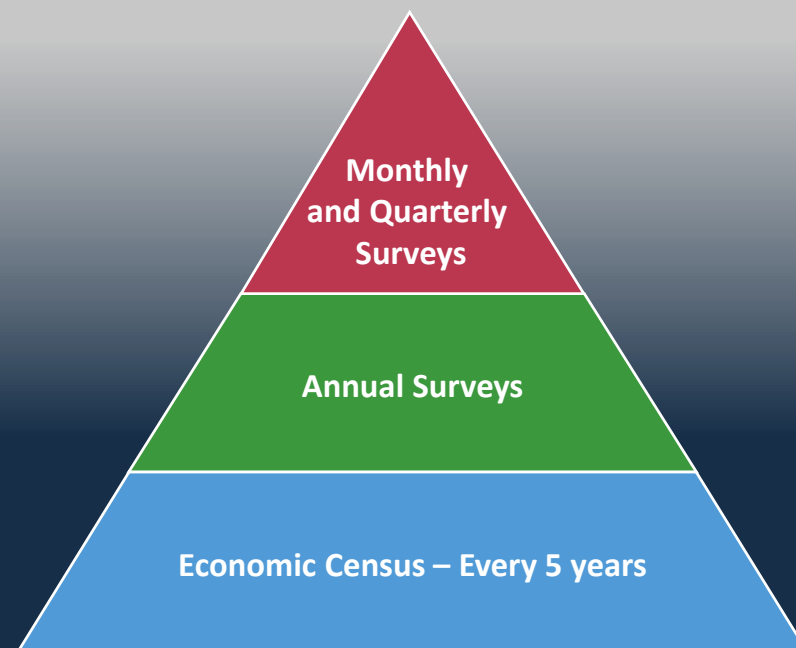
Date	States (Tuesdays)	Date	Sectors (NAICS code) (Thursdays except 3/11)
19-Feb	CT, MA, ME, NH, RI, & VT		
10-Mar	AZ, CA, CO, HI, & NV	11-Mar	Utilities (22)
24-Mar	AK, ID, MT, OR, UT, WA, & WY	26-Mar	Transportation and Warehousing (48-49)
14-Apr	DC, DE, NJ, NY, and PA	9-Apr	Finance and Insurance (52)
21-Apr	MD, VA, & WV	23-Apr	Real Estate and Rental and Leasing (53)
5-May	KY & OH	7-May	Health Care and Social Assistance (62)
19-May	AL, LA, MS, NC, SC, & TN	21-May	Services: Information (51), Prof, Sci, and Tech Services (54), Admin & Support and Waste Mgmt and Remed Services (56), Educational Services (61), Arts, Entertainment, and Recreation (71), and Other Services (81)
9-Jun	IA, NE, & SD	11-Jun	Accommodation and Food Services (72)
23-Jun	IL, IN, KS, MO, MN, ND, & WI	25-Jun	Wholesale (42) and Retail (44-45)
21-Jul	AR, FL, GA, MI, NM, OK, & TX	23-Jul	Management of Companies and Enterprises (55)
		3-Sept	Mining (21), Construction (23), and Manufacturing (31-33)

About the Census Bureau

- The U.S. Census Bureau is the federal government's largest statistical agency.
- We conduct more than 130 censuses and surveys each year, including
 - **The Decennial Census** – the once-a-decade population and housing count of the United States
 - **The American Community Survey** – the ongoing annual survey of the nation's population
 - **The Census of Governments** – identifies the scope and nature of the nation's state and local government sector
 - **The Economic Census** – the official five-year measure of American business
- Our mission is to serve as the leading source of quality data about America's people, places, and economy.



<https://www.census.gov/>



Census Economic Surveys

- Census Bureau Economic Surveys are a key source for official statistics companies can use:
 - Monthly and Quarterly are small sample surveys that provide the most **TIMELY** data available
 - Annual surveys have larger samples and provide the most up-to-date **TREND** data available
 - Every 5 years, the Economic Census measures all businesses and provides the most **COMPREHENSIVE** data available
- These surveys set the standard for U.S. economic statistics, and are fueled by the data provided by individual businesses

The *Economic Census (EC)*

- NAICS: Every 2- thru 6-digit code covered by the Census Bureau
 - Excludes Agriculture (NAICS 11) and other selected types of business (see https://www.census.gov/programs-surveys/economic-census/guidance/understanding-naics.html#par_textimage for full list of exclusions)
- Geography: Provides data at the national, state, metro area, county, and place levels
- Other Dimensions: Data by business size, Franchise status, etc.
- Over 200 data variables shown, including variables like the number of establishments, employment, payroll, and sales plus sector-specific variables (inventories, assets, expenses, etc.)
- Product Lines data
- Released on data.census.gov, *Census Business Builder*, and other Census tools

Also have related data based on the race, ethnicity, gender, and veteran status of the business owner in the *Survey of Business Owners* and the *Annual Survey of Entrepreneurs*



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NATION'S BUSINESSES**

+

**STATS ON EVERY INDUSTRY
AND GEOGRAPHY**

=

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FOR YOUR BUSINESS**

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SEE HOW IT ALL ADDS UP.**

Learn more at [census.gov/EconomicCensus](https://www.census.gov/EconomicCensus)



2017 Economic Census

See How It All Adds Up



2017 Economic Census Planned Data Product Releases

2017 Economic Census Planned Data Product Releases

Statistics Set	Report Title	Planned Release Date or Date Range
Core Business Statistics	Economy Wide Business Statistics for the U.S. - First Look	September 2019
	Comparative Statistics for the U.S. (2012 NAICS Basis): 2017 and 2012	December 2021
	Bridge Statistics for the U.S. (2012 NAICS Basis): 2017 and 2012	December 2021
	Franchise	December 2021
	Mining: Geographic Area Statistics	January 2020 - November 2020
	Construction: Geographic Area Statistics	
	Manufacturing: Geographic Area Statistics	
	Wholesale Trade: Geographic Area Statistics	
Product Statistics	Retail Trade: Geographic Area Statistics	
	Services: Geographic Area Statistics	
	Product Statistics: NAICS x NAPCS for the U.S. and States where applicable	November 2020
	Product Statistics: NAPCS x NAICS for the U.S.	

Geographic Area Statistics (U.S., States, and Selected Geographies)

Establishment and Firm Size Statistics	Estab & Firm Size Summary Statistics by Revenue Size of Establishments	November 2020 - September 2021
	Estab & Firm Size Summary Statistics by Employment Size of Establishments	
	Estab & Firm Size Summary Statistics for Single Unit and Multiunit Firms	
	Estab & Firm Size Summary Statistics by Revenue Size of Firms	
	Estab & Firm Size Summary Statistics by Employment Size of Firms	
	Estab & Firm Size Summary Statistics by Concentration of Largest Firms	
	Estab & Firm Size Summary Statistics by Legal Form of Organization	
	Manufacturing: Detailed Statistics for the U.S.	
Miscellaneous Statistics	Construction: Detailed Statistics for the U.S., Regions, and States	
	Mining: Detailed Statistics for the U.S.	
	Mining: Miscellaneous Subjects	
	Construction: Miscellaneous Subjects	
	Manufacturing: Miscellaneous Subjects	
	Services: Miscellaneous Subjects	
	Wholesale Trade: Miscellaneous Subjects	
	Retail Trade: Miscellaneous Subjects	

2017 Economic Census GAS Release Resources

<https://www.census.gov/programs-surveys/economic-census/news-updates/releases.html>

News

Updates

Blog Posts

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Census News &
Updates



Release Information



The 2017 Economic Census is being released on a flow basis between September 2019 and December 2021. This page will help you keep track of what is being released.

What's Been Released

This file is a full list of every release so far for the 2017 Economic Census. This list is updated every Monday.

 [What's Been Released](#) [<1.0 MB]

Upcoming Releases

This file is a tentative list of Pubs that may be released in the next 30 days. View the full release schedule [here](#). This list is updated every Monday.

 [Upcoming Releases](#) [<1.0 MB]

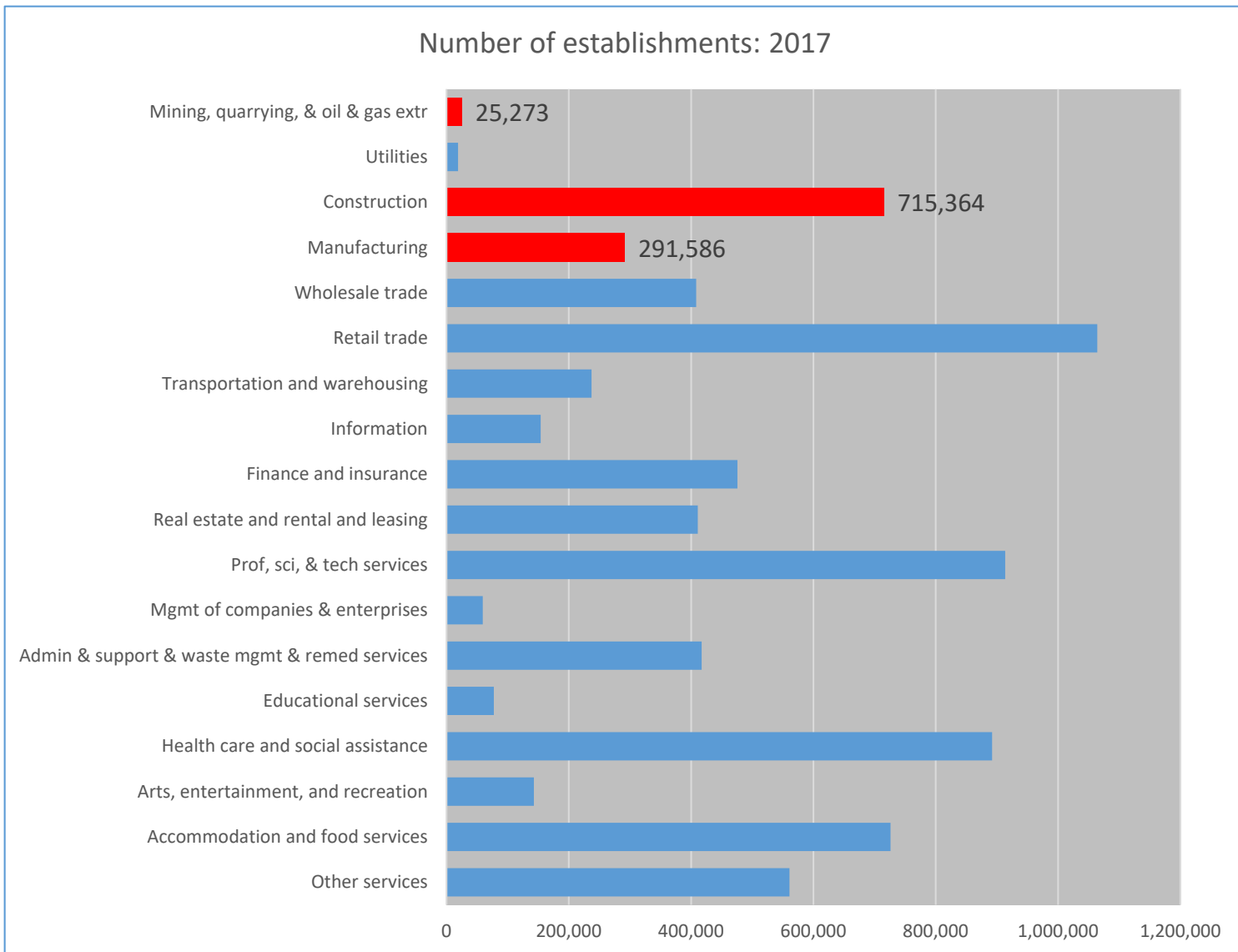


The Mining, Construction, and Manufacturing Sectors

The Mining, Quarrying, and Oil and Gas Extraction sector comprises establishments that extract naturally occurring mineral solids, such as coal and ores; liquid minerals, such as crude petroleum; and gases, such as natural gas.

The Construction sector comprises establishments primarily engaged in the construction of buildings or engineering projects (e.g., highways and utility systems).

The Manufacturing sector comprises establishments engaged in the mechanical, physical, or chemical transformation of materials, substances, or components into new products.



Facts for these sectors:

Establishments: Mining: 17th, Const.: 5th, Manuf.: 11th

Employment: Mining: 598,620 (18th), Const.: 6.6 mil. (7th), Manuf.: 11.5 mil. (5th)

Shipments/Revenue: Mining: \$400.5 bil. (15th) Const.: \$2.0 tril. (6th), Manuf.: \$5.5 tril. (2nd)

Key Changes in the 2017 Economic Census

- Geographic area changes (counties, places, metros)
- **North American Industry Classification System (NAICS)** changes (new codes, changed codes)
- The New North American Product Classification System (NAPCS) (replaces old “Product Lines” tables)
- Other changes
 - Dropped and Changed “Miscellaneous Subjects” tables
 - New Disclosure Rules (and their impacts)
 - New Data.census.gov dissemination platform

For a summary of the key changes, view our recorded webinar at

<https://www.census.gov/data/academy/webinars/2019/2017-econ-census.html>

NAICS



- The standard used by US Federal statistical agencies to classify businesses
- Developed by **OMB**, [Statistics Canada](#), and [Mexico's stat agency](#) (INEGI)
- Helps ensure statistical **comparability** across North American countries
- Adopted in **1997** and updated every 5 years (see the [2017 NAICS Manual](#))
- Types of Changes
 - **One-to-One (Recodes)**, **Many-to-One (Combos)**, and **Many-to-Many**
 - One-to-Many (Splitters) (none for 2017, a few in 2012)

NAICS Changes for 2017

- Mining

2012 NAICS Code	2012 NAICS U.S. Description	2017 NAICS Code	2017 NAICS U.S. Description
211111	Crude Petroleum and Natural Gas Extraction <i>crude petroleum extraction</i>	211120	Crude Petroleum Extraction
	<i>natural gas extraction</i>		
211112	Natural Gas Liquid Extraction	211130	Natural Gas Extraction
212231	Lead Ore and Zinc Ore Mining	212230	Copper, Nickel, Lead, and Zinc Mining
212234	Copper Ore and Nickel Ore Mining		

- Manufacturing

- Retail Trade

2012 NAICS Code	2012 NAICS U.S. Description	2017 NAICS Code	2017 NAICS U.S. Description
452111	Department Stores (except Discount Department Stores)		
452112	Discount Department Stores <i>insignificant perishable grocery sales</i>	452210	Department Stores
	<i>significant perishable grocery sales</i>		
452910	Warehouse Clubs and Supercenters	452311	Warehouse Clubs and Supercenters
452990	All Other General Merchandise Stores	452319	All Other General Merchandise Stores
454111	Electronic Shopping		
454112	Electronic Auctions	454110	Electronic Shopping and Mail-Order Houses
454113	Mail-Order Houses		

NOTE: There were NO CHANGES to NAICS 23 for 2017 so comparisons to 2012 are possible.

For the 2012 NAICS, there were changes to some codes for Construction (plus some title tweaks) so comparisons back to 2007 are possible for some industries.

2012 NAICS Code	2012 NAICS U.S. Description	2017 NAICS Code	2017 NAICS U.S. Description
333911	Pump and Pumping Equipment Manufacturing	333914	Measuring, Dispensing, and Other Pumping Equipment Manufacturing
333913	Measuring and Dispensing Pump Manufacturing		
335221	Household Cooking Appliance Manufacturing		
335222	Household Refrigerator and Home Freezer Manufacturing	335220	Major Household Appliance Manufacturing
335224	Household Laundry Equipment Manufacturing		
335228	Other Major Household Appliance Manufacturing		

Visit the NAICS website for more information
(<https://www.census.gov/eos/www/naics/>)

NAICS Changes for 2017 (cont.)

- Information

2012 NAICS Code	2012 NAICS U.S. Description	2017 NAICS Code	2017 NAICS U.S. Description
512210	Record Production	512250	Record Production and Distribution
512220	Integrated Record Production/Distribution		
517110	Wired Telecommunications Carriers	517311	Wired Telecommunications Carriers
517210	Wireless Telecommunications Carriers (except Satellite)	517312	Wireless Telecommunications Carriers (except Satellite)

- Real Estate & Rental & Leasing

2012 NAICS Code	2012 NAICS U.S. Description	2017 NAICS Code	2017 NAICS U.S. Description
532220	Formal Wear and Costume Rental	532281	Formal Wear and Costume Rental
532230	Video Tape and Disc Rental	532282	Video Tape and Disc Rental
532291	Home Health Equipment Rental	532283	Home Health Equipment Rental
532292	Recreational Goods Rental	532284	Recreational Goods Rental
532299	All Other Consumer Goods Rental	532289	All Other Consumer Goods Rental

- Professional, Scientific, and Technical Services

2012 NAICS Code	2012 NAICS U.S. Description	2017 NAICS Code	2017 NAICS U.S. Description
541711	Research and Development in Biotechnology nanobiotechnologies research and experimental development laboratories except nanobiotechnologies research and experimental development laboratories	541713	Research and Development in Nanotechnology
		541714	Research and Development in Biotechnology (except Nanobiotechnology)
541712	Research and Development in the Physical, Engineering, and Life Sciences (except Biotechnology) nanotechnology research and experimental development laboratories except nanotechnology research and experimental development laboratories	541713	Research and Development in Nanotechnology
		541715	Research and Development in the Physical, Engineering, and Life Sciences (except Nanotechnology and Biotechnology)

Where to Access the 2017 Economic Census Data

QuickFacts

The screenshot shows the 'QuickFacts UNITED STATES' page. It features a navigation bar with links to TOPICS, GEOGRAPHY, LIBRARY, DATA, SURVEYS/PROGRAMS, NEWSROOM, and ABOUT US. Below the navigation bar, there's a search bar and a 'Select a fact' dropdown menu. A table is displayed with the following data:

All Topics	UNITED STATES
Population estimates, July 1, 2017, (V2017)	325,719,376
PEOPLE	

Data.census.gov

The screenshot shows the 'Explore Census Data' page. It features a search bar with the text 'I'm looking for ...' and a link to 'Advanced Search'. Below the search bar, there's a 'Send Feedback' button and an email address: cedsci.feedback@census.gov. The page also includes an illustration of a computer monitor, a laptop, and a smartphone displaying various data visualizations like maps and charts.

Census Business Builder 3.1

The screenshot shows the 'Census Business Builder: Small Business Edition - 2.6' interface. It features a navigation bar with links to 'Privacy/Disclaimer', 'FAQs', and 'Send Feedback'. The main content area is titled 'Determine the Best Location for Your Business' and includes two sections: '1. What type of business do you want to research?' and '2. Where are you considering locating the business?'. The first section has a grid of icons for different business types: Computer Store, Food Services, Health Care, Personal Services, and Retail. The second section has a search bar for 'My Location' and a 'Go To Map' button. At the bottom, there's a 'Create Report' button.

2017 Economic Census

Fun Facts

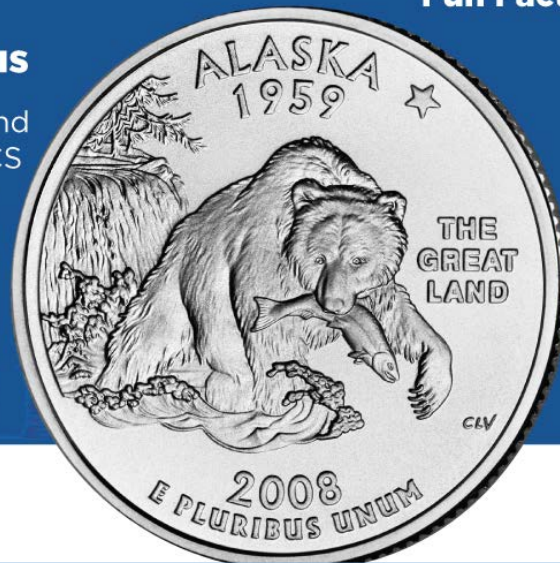
Data just released from the 2017 Economic Census

The 150 Mining, Quarrying, and Oil and Gas Extraction (NAICS 21) establishments in Alaska reported 10,922 employees and total shipments of \$12.3 billion in 2017.

www.census.gov/economiccensus

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Fun Facts

Data just released from the 2017 Economic Census

The 5,466 Construction (NAICS 23) establishments in Montana reported 25,767 employees and total business done of \$7.0 billion in 2017.

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Fun Facts

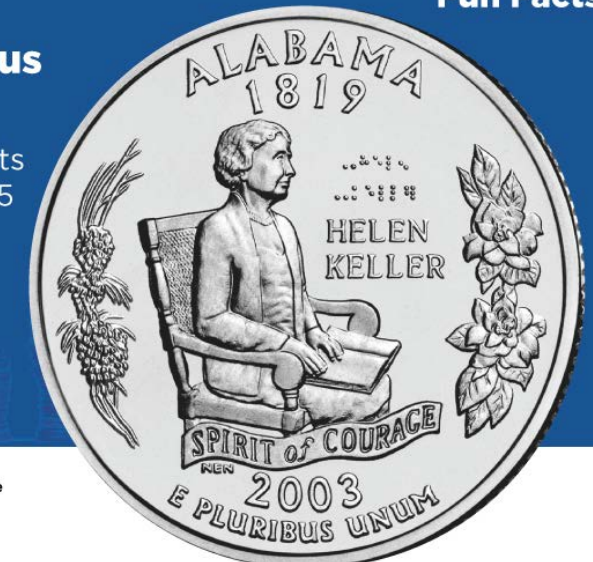
Data just released from the 2017 Economic Census

The 4,133 Manufacturing (NAICS 31-33) establishments in Alabama reported 245,725 employees and total shipments of \$137.9 billion in 2017.

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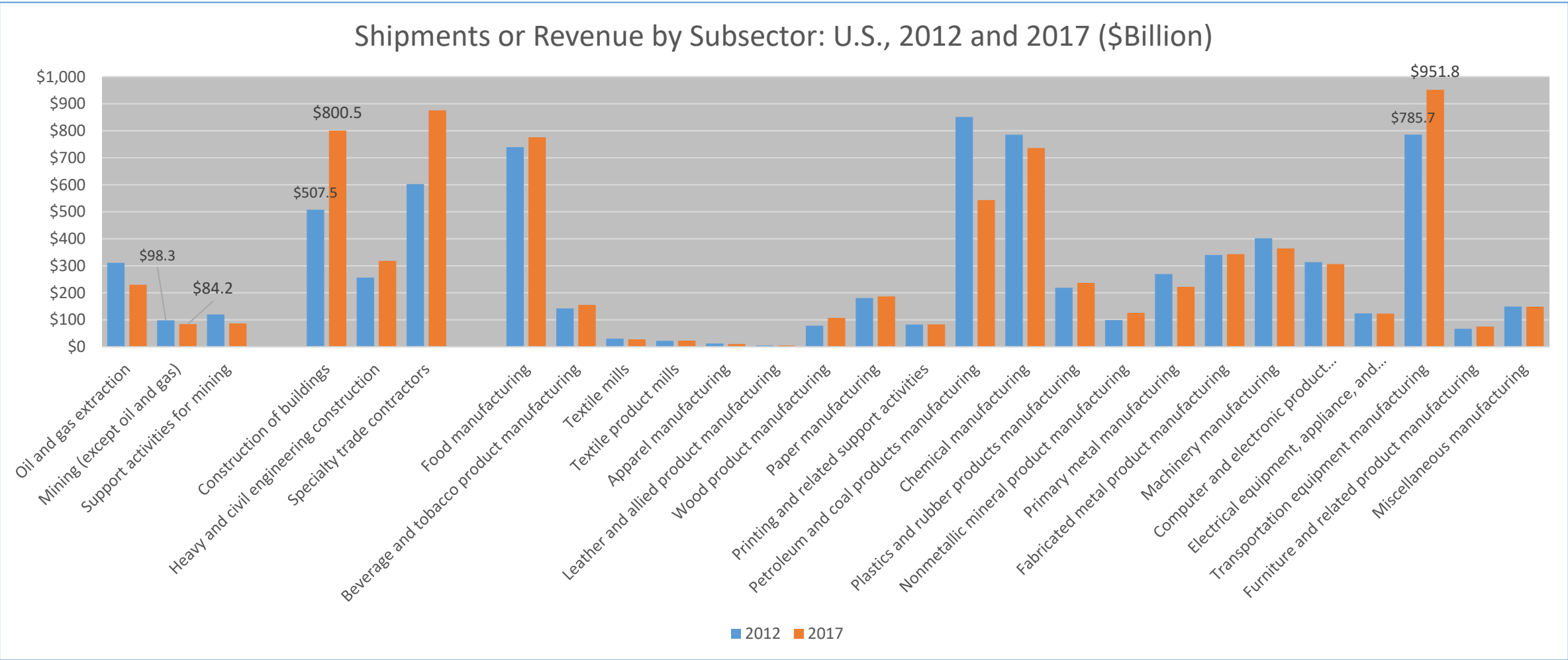


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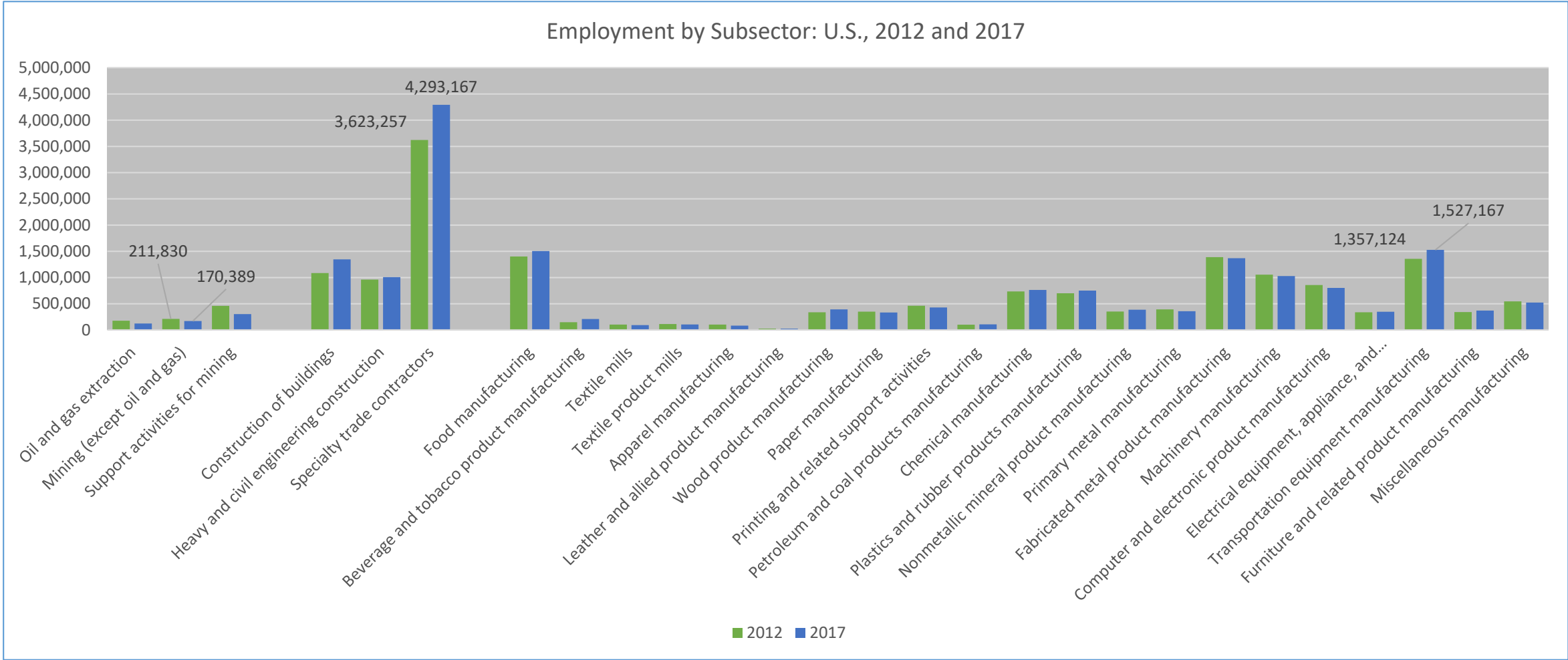
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<https://www.census.gov/library/stories/2020/02/economic-census-measuring-a-changing-america.html>

Selected Findings

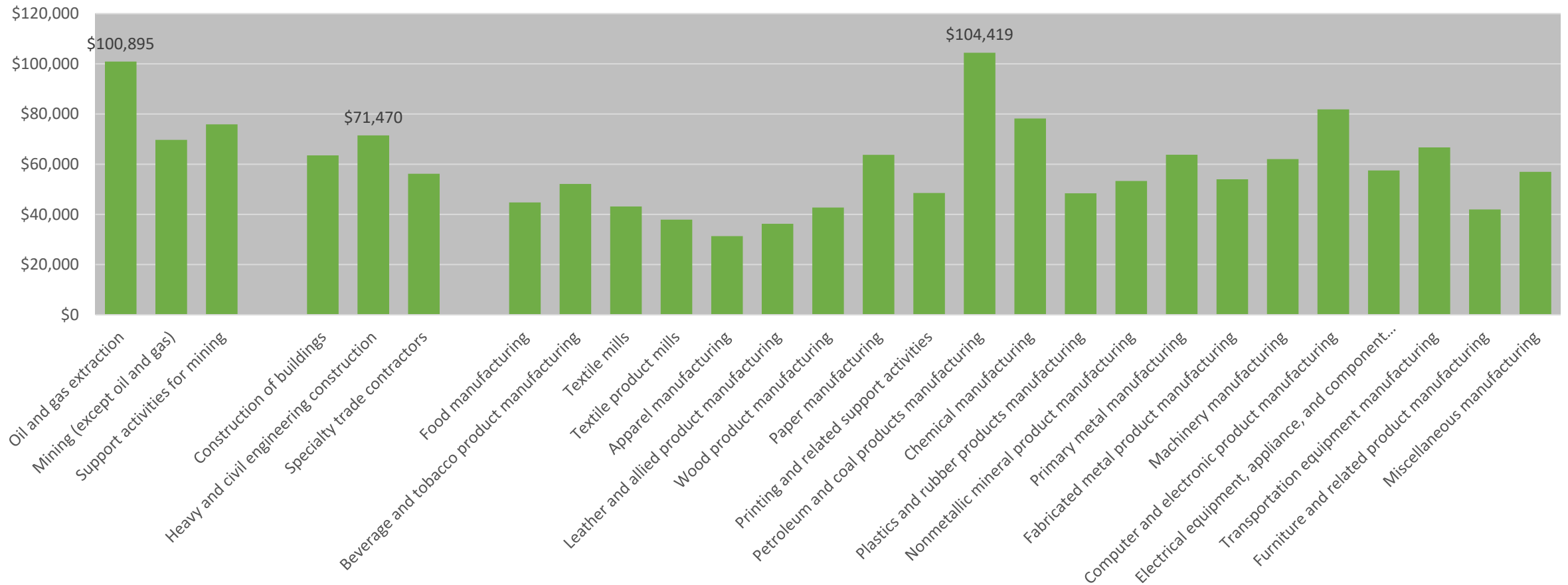


Selected Findings (cont.)



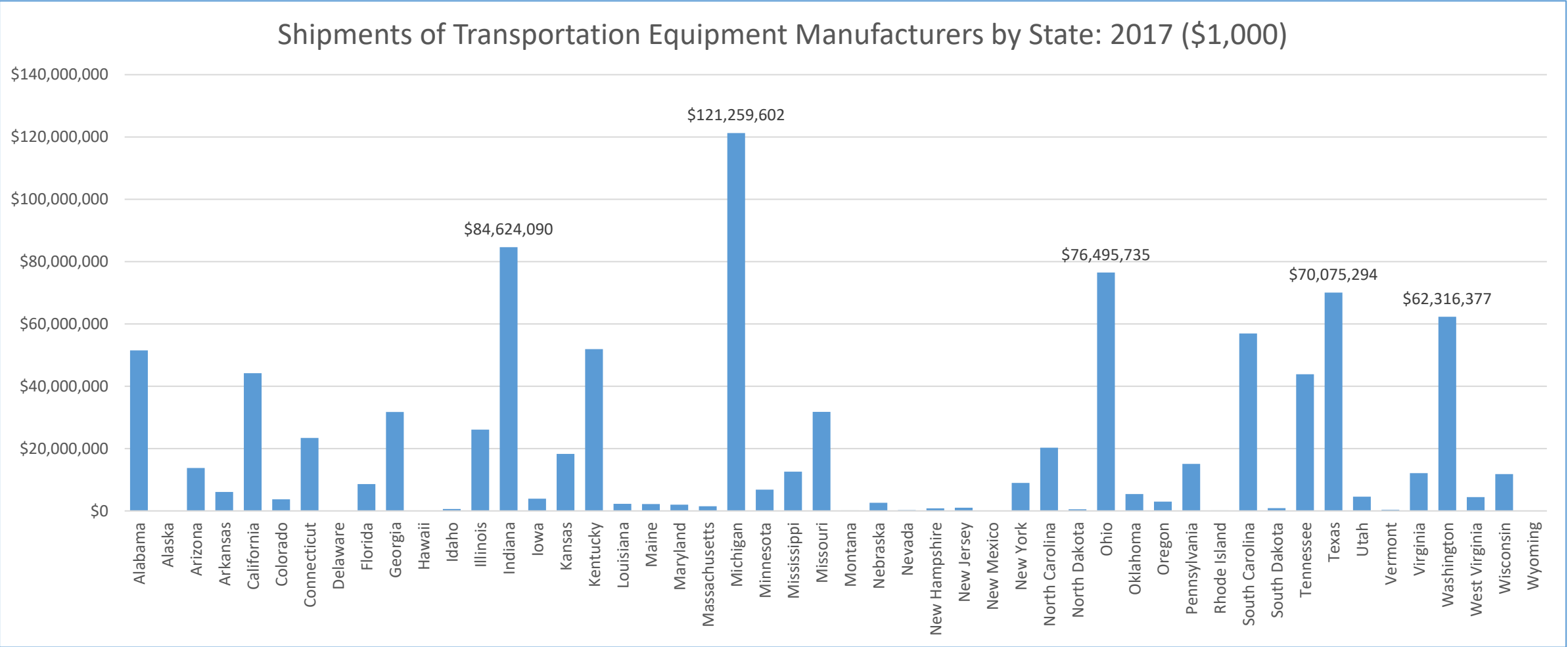
Selected Findings (cont.)

Average Annual Payroll per Employee by Subsector: U.S., 2017 (\$)

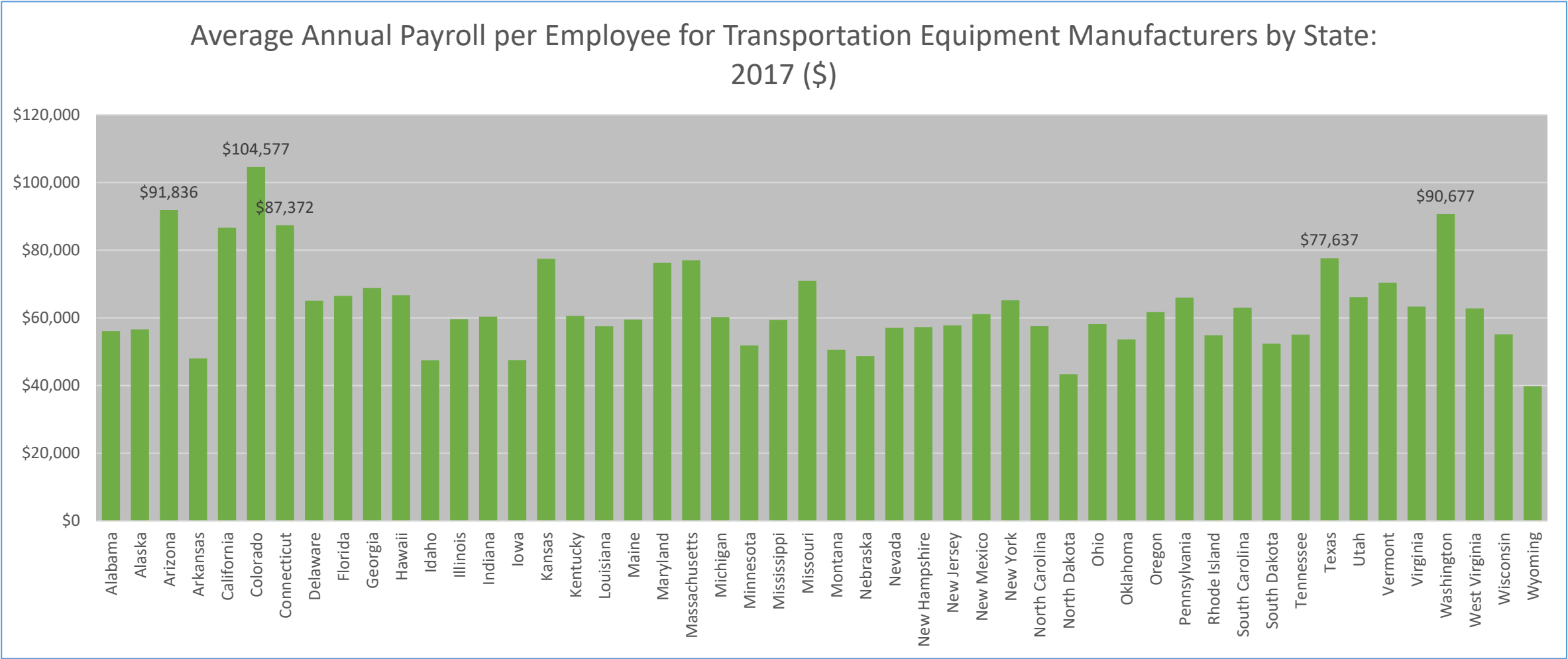


Note: Average annual payroll per employee for all industries (NAICS 00) is \$52,300

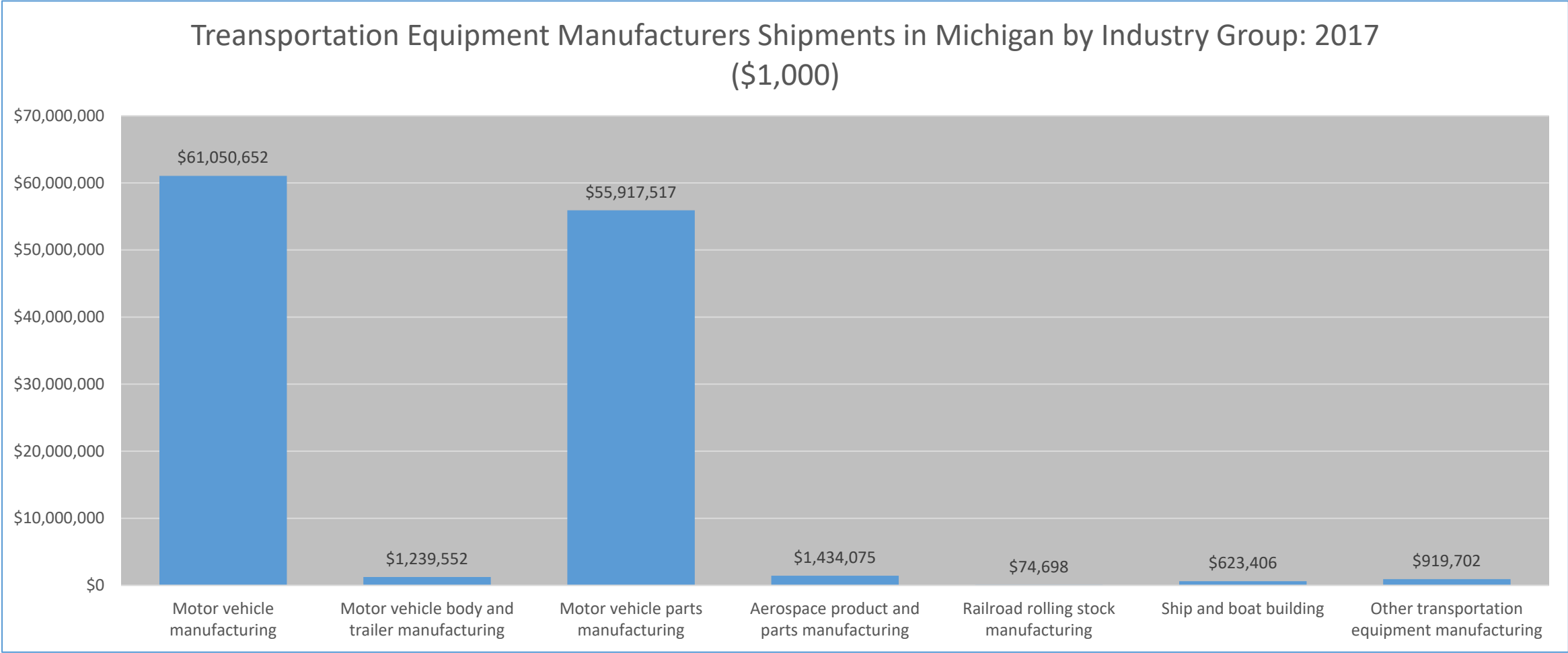
Selected Findings (cont.)



Selected Findings (cont.)



Selected Findings (cont.)



What's Coming Next

- **North American Product Classification System Data** (Nov. 2020)
 - Learn more at <https://www.census.gov/programs-surveys/economic-census/guidance/understanding-napcs.html>
- **Establishment and Firm Size Data** (Nov. 2020 thru Sept 2021)
 - Revenue size, establishment size, single/multi-unit, concentration of largest firms, legal form of organization, and franchise status
- **Miscellaneous Subjects Data** (Nov. 2020 thru Sept 2021)

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Miscellaneous Statistics	Mining: Detailed Statistics for the U.S.	
	Mining: Miscellaneous Subjects	
	Construction: Miscellaneous Subjects	
	Manufacturing: Miscellaneous Subjects	
	Services: Miscellaneous Subjects	
	Wholesale Trade: Miscellaneous Subjects	
	Retail Trade: Miscellaneous Subjects	

Summary

- The **Economic Census** provides a wealth of business data
 - Learn more at <https://www.census.gov/programs-surveys/economic-census.html>
- The data are released on a **flow basis** (all states/sectors will be complete in August 2020) and **more data is coming**
 - Learn more at <https://www.census.gov/programs-surveys/economic-census/news-updates/releases.html>
- **NAICS changes** every 5 years... make sure data are comparable
 - Learn more at <https://www.census.gov/eos/www/naics/>
- The data are now being released on **data.census.gov**
- More data are coming...

Q & A and Thank You!

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